



## Material Safety Data Sheet

### 1 IDENTIFICATION OF THE MATERIAL / PREPARATION AND OF COMPANY / UNDERTAKING

**Product Name :** Medium Density Fiberboard

**Synonyms, Trade Names:** Medite FR (Flame Retardant)  
Euro Class B, Euro Class C.

**Company Name :** Weyerhaeuser Europe Ltd  
Redmondstown  
Clonmel  
Co Tipperary  
Tel. +353 (0) 52 82300  
Fax + 353 (0) 52 21815

### 2 COMPOSITION / INGREDIENTS

**Chemical characterisation :** Mixed softwood, polymerised resin, paraffin wax, red dye, fire retardant additive (mixture of phosphate & nitrogen compounds), moisture, and formaldehyde ( $\leq 8$  mg/100g - Class E1)

**Hazardous Ingredients :** None.

### 3 HAZARDS IDENTIFICATION

This product is regarded as a non-hazardous material

### 4 FIRST AID MEASURES

**Inhalation:** Not applicable.  
**Ingestion:** Not applicable.  
**Eye contact :** Not applicable.  
**Skin contact :** Not applicable.

During the machining i.e. sawing, sanding of Medite FR, dust is generated. If adverse effects occur following inhalation of, ingestion of or eye contact with this dust, remove to fresh air. In the case of eye contact flush open eye with tepid water. Consult doctor if symptoms persist.

### 5 FIRE-FIGHTING MEASURES

**Suitable fire extinguishing agents :** Water, Dry Powder, Carbon Dioxide(CO<sub>2</sub>) & Foam.

**Unsuitable fire extinguishing agents :** None

**Special hazards caused by the material, its products of combustion or its flue gases:** Carbon Monoxide(CO), Carbon Dioxide(CO<sub>2</sub>) and Nitrogenous gases may develop in case of fire.

**Special protective equipment in case of fire :** Wear breathing apparatus equipment suitable for above mentioned gases in case of fire.

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## 6 ACCIDENTAL RELEASE

**Personal precautions :** Not applicable for product in sheet form

**Environmental precautions :** Not applicable for product in sheet form

**Method of clean-up :** Wood dust generated from machining, i.e. sawing, sanding Medite FR should be collected by suction cleaning equipment and contained for recovery or disposal.

## 7 HANDLING AND STORAGE

**Handling:** In sheet form Medite FR can present a manual handling risk due to its physical dimensions and weight. Adhere to good lifting practices and use appropriate lifting devices if necessary.

**Storage:** Store product in a dry and well-ventilated place. Keep away from flame and other ignition sources.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Occupational exposure limits**

**Softwood dust :** 5 mg/m<sup>3</sup> (Sen.) - EH40 MEL (8 hour TWA) Softwood dust is generated during the machining of Medite FR

**Formaldehyde :** 2 ppm ( 2.5 mg/m<sup>3</sup>) – EH40 MEL (8 hour TWA)  
2 ppm ( 2.5 mg/m<sup>3</sup>) – EH40 STEL (15 min)

**Breathing equipment:** Use the same breathing filter as used during the machining of other softwood products to avoid inhaling softwood dust.

**Eye protection:** Use the same eye protection equipment i.e. safety glasses, as used during the machining of other softwood products.

**General protection and hygiene measures:** Follow good hygiene and housekeeping practices.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

**State :** Solid panel form

**Odour :** None under ambient conditions

**Dimensions:** Dimensions will vary with product thickness, length and width.  
See Weyerhaeuser technical information sheet

**Density (kg/m<sup>3</sup>):** Density will vary according to product type. See Weyerhaeuser technical information sheet

**Flash point :** Not determined in solid panel state, Layer ignition temperature (5mm layer) for Medite MDF sander dust is 320°C

**Inflammability:** N/A in solid state

**Explosive hazard:** N/A in solid state

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## 10 STABILITY AND REACTIVITY

**Stability:** This product is chemically stable.

**Conditions to avoid:** Store product in a dry and well-ventilated place. Avoid flame or other ignition sources.

**Materials to avoid:** Keep away from strong acids, bases and oxidising agents.

**Hazardous Decomposition products:** Carbon Monoxide (CO), Carbon Dioxide (CO<sub>2</sub>) and Nitrogenous gases may develop in case of fire.

## 11 TOXICOLOGICAL INFORMATION

**Acute toxicity:** This product is a safe material in panel form.

## 12 ENVIRONMENTAL INFORMATION

**Environmental Assessment:** When used as intended this product is not classified as dangerous to the environment.

**Mobility :** Not determined

**Degradability :** Not determined

**Bioaccumulative potential :** Not determined

**Ecotoxicity :** Not determined

## 13 DISPOSAL CONSIDERATIONS

Disposal in accordance with National and EU regulations

## 14 TRANSPORT INFORMATION

**General Transport :** No labeling is required

## 15 REGULATORY INFORMATION

**Symbol(s) :** None

**R – Phrase(s) :** No Risk phrases assigned

**S - Phrase(s) :** No Risk phrases assigned

The information contained herein does not constitute the users own risk assessment of the work place as required by other health and safety legislation.

## 16 OTHER INFORMATION

Bases on EC directive : 2001/58/EC

Dated : 15/08/2005

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the present state of our knowledge and is intended to describe our product from the view of safety requirements. It should not therefore be construed as guaranteeing specific properties or their suitability for a particular application.